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Montana Oil and Gas STATISTICAL BULLETIN

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OIL AND GAS CONSERVATION COMMISSION
SAVINGS BLDG.
HELENA, MONTANA

UNIVERSITY OF MONTANA
APR 25 1967

Vol. XV, No. 2 — 3 — February 1967

Production of crude oil and condensate from the oil and gas areas of Montana for the month of February, 1967, averaged 92,955 barrels daily, an increase of 1901 barrels from the average January production of 91,054.

The nine refineries in state processed 101,386 barrels of crude oil daily for the month of February, 1967, an increase of 2,474 barrels from the 98,912 barrels processed daily during the month of January, 1967.

During February, 40 wells were completed, 15 oil, 4 gas wells and 21 dry holes.

During February, the commission issued 26 permits to drill new wells, a decrease of 5 from the 31 permits issued during January.

SUMMARY OF CRUDE OIL PRODUCTION REFINING STORAGE, ETC., IN MONTANA

MONTH OF FEBRUARY, 1967

IN STORAGE FEBRUARY 1st	
By Producers	345,016
By Transporters	1,104,700
By Refiners	577,142
TOTAL STORAGE	2,026,858
Produced in Montana During Month	2,602,765
Imported During Month	1,909,636
TOTALS	6,539,259
DISPOSITION:	
Refined in Montana	2,838,830
Exported	1,549,075
Used for Fuel or Lost	840
TOTAL	4,388,745
IN STORAGE FEBRUARY 28th	
By Producers	336,194
By Transporters	1,186,173
By Refiners	628,147
TOTAL STORAGE	2,150,514

NATURAL GAS WITHDRAWALS IN MONTANA

Month of February, 1967

Field	M. Cu. Ft.
Bears Den	0
Big Coulee	108,229
Bowdoin	273,222
Bowes	43,660
Cabin Creek	99,333
Cedar Creek	364,033
Cut Bank (Including Reagan)	846,647
Devon	0
Dry Creek	53,407
Elk Basin	111,747
Flat Coulee	3,293
Gold Butte	0
Golden Dome	0
Grandview	0
Hardin	2,719
Keith Block	374,591
Kevin Sunburst	68,099
Lake Basin	98,577
Middle Butte	4,669
Mt. Lilly	8,552
Pine	59,719
Plevna	11,632
Utopia	118,641
Whitlash	150,574
Miscellaneous	120,988
TOTAL	2,922,332

Total withdrawals for February, 1966 were 2,897,854 M. Cu. Ft.

PRODUCERS REPORT—MONTH OF FEBRUARY, 1967

Leases	Field	No. of Wells	Storage 1st of Month	Oil Produced	Oil Shipped By		Used or Lost	Storage End of Month
					Pipeline	Truck		
2	Ash Creek	5	275	4,927	.....	4,929	.....	273
3	Bannatyne	4	1,252	2,461	.....	2,987	.....	726
1	Bascom	1	201	95	296	.....	.....	.....
6	Bear's Den	6	1,492	864	.....	1,101	.....	1,255
1	Benrud	1	424	1,584	1,614	.....	.....	394
1	Benrud East	1	493	7,988	8,000	.....	.....	481
2	Benrud Northeast	2	957	13,793	13,827	.....	.....	923
1	Berthelote	1	313	628	410	.....	.....	531
7	Big Wall	21	2,101	30,079	29,653	.....	.....	2,527
5	Blackfoot	7	2,678	4,408	2,534	1,793	.....	2,759
1	Blackfoot East	1	214	.....	174	.....	.....	40
2	Border	4	....	918	.....	918	.....	.....
1	Bowes	52	8,013	14,575	15,076	.....	.....	7,512
2	Bradley	2	656	814	1,020	.....	.....	450
1	Brady	1	296	1,129	1,129	.....	.....	296
....	Bynum	....	75	.....	.....	.....	.....	75
2	Cabin Creek	101	7,008	244,666	245,224	.....	.....	6,450
15	Cat Creek	89	2,661	13,240	9,640	3,965	69	2,227
....	Clark's Fork	....	30	.....	.....	.....	.....	30
1	Conrad South	2	662	1,309	1,309	.....	.....	662
....	Cupton	....	1,151	.....	.....	.....	.....	1,151
180	Cut Bank	977	97,358	255,276	252,158	4,257	621	95,598
2	Deer Creek	2	1,795	2,534	2,706	.....	.....	1,623
1	Delphia	1	289	294	.....	392	.....	191
1	Devil's Basin	1	851	178	.....	195	.....	834
....	Dry Creek	....	69	.....	.....	.....	.....	69
14	Dwyer	15	5,542	21,725	21,414	.....	.....	5,853
4	Elk Basin	55	2,208	226,130	226,127	.....	.....	2,211
5	Elk Basin Northwest	13	2,549	13,274	13,536	.....	.....	2,287
2	Fairview	2	1,014	18,089	.....	17,608	.....	1,495
3	Fertile Prairie	3	860	1,966	852	1,003	.....	971
24	Flat Coulee	31	4,786	18,502	18,317	.....	.....	4,971
38	Flat Lake	55	6,776	92,215	92,186	.....	.....	6,805
1	Flat Lake South	1	161	108	.....	.....	.....	269
2	Frannie	2	....	1,098	1,098	.....	.....	.....
16	Fred & George Creek	34	2,517	92,957	93,051	.....	.....	2,423
1	Gage	1	710	182	.....	379	.....	513
1	Gage Southwest	1	435	20	.....	377	.....	78
5	Gas City	26	6,085	39,621	38,056	.....	.....	7,650
7	Glendive	11	2,499	28,712	15,773	13,598	.....	1,840
20	Goose Lake	24	4,088	58,051	58,250	.....	.....	3,889
10	Graben Coulee	30	5,471	15,113	13,357	1,560	.....	5,667
....	Grandview	....	528	.....	.....	.....	.....	528
2	Gypsy Basin	3	2,272	500	753	.....	.....	2,019
1	Hibbard	1	931	292	.....	946	.....	277
7	Ivanhoe	11	1,586	11,644	11,873	.....	62	1,295
9	Keg Coulee	27	5,676	28,230	29,261	.....	.....	4,645
2	Keg Coulee North	2	857	1,509	898	.....	.....	1,468
1	Kelley	2	1,391	12,810	13,250	.....	.....	951
101	Kevin Sunburst	598	18,533	27,914	26,202	1,784	20	18,441
1	Little Beaver	28	92	31,323	30,950	.....	356	109
2	Little Beaver East	13	2,064	17,685	17,993	.....	.....	1,756
3	Lodge Grass	3	1,478	2,909	.....	2,907	.....	1,480
24	Lookout Butte	78	3,228	144,662	143,391	.....	914	3,585
....	Mackay Dome	....	770	.....	.....	.....	.....	770
2	Mason Lake	2	571	1,671	1,731	.....	.....	511
2	Melstone	5	1,262	2,395	2,708	.....	.....	949
1	Mineral Bench	1	406	1,278	1,104	.....	.....	580
2	Miner's Coulee	2	331	2,524	.....	2,466	.....	389
8	Monarch	12	3,895	14,445	14,798	.....	.....	3,542
4	Mosser	4	....	809	.....	809	.....	.....
6	Outlook	11	8,202	32,966	33,978	.....	.....	7,190
2	Outlook South	2	1,157	2,297	2,114	.....	.....	1,340
2	Outlook West	2	1,336	4,708	1,520	2,600	.....	1,924
70	Pennel	117	4,530	154,809	156,178	.....	.....	3,161
3	Pine	130	17,750	310,853	312,186	.....	.....	16,417
3	Pole Creek	4	1,038	892	.....	1,140	.....	790
68	Pondera	303	7,967	26,182	25,359	.....	.....	8,790
4	Poplar East	71	10,773	59,001	59,416	.....	23	10,335
4	Poplar Northwest	5	1,977	1,485	1,319	.....	.....	2,143
....	Prairie Elk	....	799	.....	.....	.....	.....	799
4	Ragged Point	13	2,382	11,332	11,226	.....	.....	2,488
4	Ranch Creek	4	1,640	2,521	.....	2,660	2	1,499
1	Rattlesnake Coulee	1	541	1,051	1,054	.....	.....	538
4	Reagan	42	1,174	18,126	18,264	.....	.....	1,036
1	Red Creek	27	....	25,923	25,221	702	.....	.....
1	Redstone	1	279	974	773	.....	.....	480
1	Repeat	1	304	1,829	.....	1,762	.....	371
1	Reserve	1	2,229	9,334	.....	9,144	.....	2,419
1	Richey	1	638	480	568	.....	.....	550
6	Richey Southwest	8	1,066	9,163	979	8,199	.....	1,051
6	Sand Creek	9	2,526	9,085	10,583	.....	.....	1,028
1	Shotgun Creek	1	345	572	.....	661	.....	256
3	Sidney - Brorson	3	1,732	2,055	500	2,006	.....	1,281
1	Smoke Creek	1	485	3,844	.....	3,957	.....	372
2	Snyder	4	1,122	1,311	.....	1,032	.....	1,401
5	Soap Creek	16	2,318	5,680	.....	5,778	.....	2,220
1	Spring Lake	1	4,344	1,148	.....	1,476	.....	4,016
2	Stensvad	24	4,154	31,607	32,846	.....	.....	2,915
31	Sumatra	81	9,845	57,150	56,270	.....	.....	10,725
5	Tule Creek	7	3,257	32,390	.....	32,793	.....	2,854
2	Tule Creek East	2	755	21,096	.....	21,513	.....	338
2	Tule Creek South	2	1,305	8,217	.....	7,293	.....	2,229
2	Vida	2	812	2,032	.....	1,977	.....	867
4	Volt	6	2,358	19,068	19,329	.....	.....	2,097
1	Weed Creek	1	....	23,117	14,901	7,700	211	305
5	Weldon	15	2,110	136,477	134,497	.....	.....	4,090
14	Whitlash	28	9,111	20,763	21,539	.....	.....	8,335
2	Whitlash West	2	602	1,589	977	.....	.....	1,214
2	Wills Creek South	2	772	6,387	5,903	.....	.....	1,256
8	Wolf Springs	11	5,065	6,450	7,491	.....	.....	4,024
4	Woodrow	5	401	3,843	3,584	.....	.....	660
1	Wildcat, Glacier County	1	222	278	.....	253	.....	247
1	Wildcat, Richland County	1	1,614	2,168	.....	2,415	.....	1,367
1	Wildcat, Roosevelt County	1	122	271	.....	.....	.....	393
1	Wildcat, Carbon County	1	971	118	.....	.....	.....	1,089
856	Total	3,349	345,016	2,602,765	2,430,274	179,035	2,278	336,194

Total Oil Produced and Shipped From Leases	Bbls. Produced	Daily Average	Bbls. Shipped	Daily Average
Year, 1966	35,380,118	96,931	35,353,673	96,859
January, 1967	2,822,701	91,054	2,813,195	90,748
February, 1967	2,602,765	92,955	2,609,309	93,189

Oil in Storage	In Producers Field Tank	In Transporters Storage	In Refiners Storage*	Total Oil In Storage*
December, 1966	337,546	1,034,375	584,580	1,956,501
January, 1967	345,016	1,104,700	577,142	2,026,858
February, 1967	336,194	1,186,173	628,147	2,150,514

*Includes Wyoming Oil

TRANSPORTERS MONTHLY REPORT—MONTH OF FEBRUARY, 1967

	Storage First of Month	OIL RECEIVED BY			Loss or (Gain)	OIL SHIPPED TO			Storage End of Month
		Pipeline	Truck	Connecting Carrier		Montana	Other States	Connecting Carrier	
ASH CREEK—Truck			4,929				4,929		
BANNATYNE—Truck			2,987				2,987		
BEAR'S DEN—Truck			1,101			596		505	
BIG WALL—Continental Pipeline Co.		29,652				29,652			
BLACKFOOT—									
Camerland Cardinal Corp.			1,793			1,793			
Union Oil Co.		2,708				2,708			
		2,708	1,793			4,501			
BORDER—Truck			918				918		
BOWES—Texaco		15,056				15,056			
CABIN CREEK & OTHERS°									
Butte Pipeline Co.	382,177	780,905	35,905	763,059			1,579,869		382,177
Shell Pipeline Co.	5,252	314,235			(3,038)			314,854	7,671
	387,429	1,095,140	35,905	763,059	(3,038)		1,579,869	314,854	389,848
CAT CREEK—									
Continental Pipeline Co.		9,640				9,640			
Truck			3,965			3,965			
		9,640	3,965			13,605			
CUT BANK—									
Continental Pipeline Co.			10,769	479,028		489,797			
Phillips Petroleum Co.	110,576	62,615		51,123	619	111,542			112,153
Texas Pipeline Co.	32,142	74,646		24,304	356			89,990	40,746
Union Oil Co.	54,094	99,943			296	104,412			49,329
Western Oil Trans. Co.	36,221	47,830						84,051	
Western Oil Trans. (Moulton)		71,276						71,276	
	233,033	356,310	10,769	554,455	1,271	705,751		245,317	202,228
DELPHIA—Truck			392			392			
DEVIL'S BASIN—Truck			195				195		
DWYER—Portal Pipeline Co.		21,468					21,468		
ELK BASIN & ELK BASIN NORTH-WEST—Marathon Pipeline Co.		237,659				237,659			
FAIRVIEW—Rock Island Oil & Ref. Co.			17,608				17,608		
FLAT COULEE—									
Camerland Cardinal Corp.		17,451				15,149		2,302	
FLAT LAKE & FLAT LAKE SOUTH—									
Portal Pipeline Co.		83,442					83,442		
FRANNIE—Interstate Pipeline Co.		1,098					1,098		
FRED & GEORGE CREEK—									
Camerland Cardinal Corp	10,935	95,758				36,016		53,795	16,882
GAGE & GAGE S.W.—Truck			756			377	379		
GLENDIVE, DEER CREEK, WOODROW & SAND CREEK—									
Texas Pipeline Co.	6,068	36,839			(45)			36,328	6,624
GOOSE LAKE—Portal Pipeline Co.		57,086					57,086		
HIBBARD—Truck			946			946			
IVANHOE—Continental Pipeline Co.		11,031				8,255	2,776		
KEG COULEE & KEG COULEE NORTH—Continental Pipeline Co.		26,840				26,840			
KELLEY—Continental Pipeline Co.		12,826				12,826			
KEVIN SUNBURST—									
Big West Oil Co.	3,445	20,862				20,985			3,322
Homestake Oil & Gas Co.	608	1,808				1,655			761
Texas Pipeline Co.	7,928	9,562			369			9,097	8,024
	11,981	32,232			369	22,640		9,097	12,107
LODGE GRASS—McWood Corp.			2,907			2,907			
MASON LAKE—Continental Pipeline Co.		1,731				1,731			
MELSTONE—Continental Pipeline Co.		2,708				2,708			
MOSSER—Truck			809				809		
OUTLOOK WEST—									
Rock Island Oil & Ref. Co.			2,600				2,600		
POLE CREEK—Truck			1,140				1,140		
PONDERA—Phillips Petr. Co.	36,344	26,790			771	15,170			47,193
POPLAR, BENRUD, BENRUD EAST OUTLOOK, OUTLOOK SOUTH, OUTLOOK WEST, REDSTONE, RICHEY, TULE CREEK, TULE CREEK SOUTH & VOLT—									
East Poplar Gathering System	22,695	187,574			(155)			199,945†	10,479
RAGGED POINT—									
Continental Pipeline Co.		9,196				1,538	7,658		
RANCH CREEK—									
Rock Island Oil & Ref. Co.			2,660				2,660		
RED CREEK—									
Western Oil Transportation Co.		30,175						30,175	
RESERVE—Truck			9,144				9,144		
SHOTGUN CREEK—Truck			661				661		
SIDNEY—BRORSON—McWood Corp.	9,761		2,006	6,505				7,426	10,846
SMOKE CREEK—									
Rock Island Oil & Ref. Co.			3,957				3,957		
SNYDER—Truck			1,032			1,032			
SOAP CREEK—McWood Corp.	6,742		5,778	2,845		12,316			3,049
SPRING LAKE—									
Rock Island Oil & Ref. Co.			1,476				1,476		
SUMATRA & STENSVAD—									
Continental Pipeline Co.	366,762	85,681		371,323	(2,125)	72,051		273,951	479,889
TULE CREEK—Tesoro Petr. Corp.	12,950		52,233			58,155			7,028
WEED CREEK—									
Truck			7,700				7,700		
Continental Pipeline Co.		14,901				8,346	6,555		
		14,901	7,700			8,346	14,255		
WHITLASH & WHITLASH WEST—									
Camerland Cardinal Corp.		21,804				21,804			
WOLF SPRINGS—									
Continental Pipeline Co.		7,481				7,481			
WILDCAT WELLS—Truck			2,668				2,668		
TOTALS	1,104,700	2,530,277	179.035	1,698,187	(2,952)	1,335,500	1,819,783	1,173,695	1,186,173

°Cabin Creek, Cupton, Fertile Prairie, Gas City, Little Beaver, Little Beaver East, Lookout Butte, Monarch, Pennel, Pine, Repeat, Richey, Richey Southwest, Weldon and Wills Creek South.

†Transferred to Butte Pipeline Company.

BARRELS OF CRUDE OIL REFINED IN MONTANA

MONTH OF FEBRUARY, 1967

Field	Big West Oil Co.	Continental Oil Co.	Diamond Asphalt Co.	Farmers Union	Humble Oil & Ref. Co.	Jet Fuel Refinery	Phillips Petr. Co.	Tesoro Petr. Corp.	Union Oil Co.	Total
Big Wall				29,652						29,652
Bowes			13,048							13,048
Cat Creek		8,725				5,868				14,593
Cut Bank		66,016		2,800		7	53,418		88,800	211,041
Delphia						348				348
Devil's Basin						98				98
Dry Creek						2				2
Elk Basin		96,110		59,626	81,922					237,658
Flat Coulee									15,149	15,149
Fred & George Creek	28,648									28,648
Gage & Gage S.W.						843				843
Hibbard						547				547
Ivanhoe					8,255					8,255
Keg Coulee		8,398		18,442						26,840
Kelley					12,826					12,826
Kevin Sunburst	20,985									20,985
Lodge Grass		2,907								2,907
Mason Lake		1,731								1,731
Melstone				2,708						2,708
Pondera							73,073			73,073
Ragged Point		767		771						1,538
Red Creek					30,354					30,354
Sand Creek						225				225
Snyder		1,032								1,032
Soap Creek		12,316								12,316
Sumatra & Stensvad		15,825		56,226	15,108					87,159
Tule Creek								58,155		58,155
Whitlash	21,804									21,804
Wolf Springs					15,659					15,659
Total Montana Oil	71,437	213,827	13,048	170,225	164,124	7,938	126,491	58,155	103,949	929,194
Canadian Oil Imported		472,018								472,018
Wyoming Oil Imported		304,607		312,020	820,991					1,437,618
Total Montana, Canadian & Wyoming Oil	71,437	990,452	13,048	482,245	985,115	7,938	126,491	58,155	103,949	2,838,839

AVERAGE BARRELS PER DAY

	Montana	Canada	Wyoming	Total
Year, 1966	29,111	12,832	49,643	91,586
February, 1966	31,713	14,889	49,317	95,919
February, 1967	33,185	16,858	51,343	101,386

PERCENTAGE OF CRUDE OIL REFINED

	Montana	Canada	Wyoming
Year, 1966	31.78%	14.02%	54.20%
February, 1966	33.06%	15.53%	51.41%
February, 1967	32.73%	16.63%	50.64%